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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/818,618	03/28/2001	Harald Jellum	E19148 JFW/JB	1705
466	7590	07/30/2004	EXAMINER	
YOUNG & THOMPSON 745 SOUTH 23RD STREET 2ND FLOOR ARLINGTON, VA 22202			BASHORE, WILLIAM L	
			ART UNIT	PAPER NUMBER
			2176	

DATE MAILED: 07/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/818,618	<b>Applicant(s)</b> JELLUM ET AL.	
	<b>Examiner</b> William L. Bashore	<b>Art Unit</b> 2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 6/13/2001.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1,2 and 4-7 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,4 and 5 is/are rejected.
- 7) ☒ Claim(s) 6-7 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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### DETAILED ACTION

1. This action is responsive to communications: original application filed 3/28/2001, preliminary amendment filed 3/28/2001.
2. Claims 1-2, 4-7 are pending. Said preliminary amendment cancels claim 3, and adds claims 6-7.

### *Claim Objections*

3. Claims 1, 6, 7 are objected to because of the following informalities:

In regard to independent claim 1, limitation (g) recites "*said required web...*". The examiner believes this should be amended to read read "*said reacquired web...*".

In regard to dependent claims 6, 7, the word "*teble*" in each of said claims should be amended to read "*table*".

Appropriate correction is required.

### *Allowable Subject Matter*

4. Claims 6, 7 would be allowable if rewritten to overcome the objection (due to minor informalities), set forth in this Office action (see paragraph 3, above), and to include all of the limitations of the base claim and any intervening claims.

### *Claim Rejections - 35 USC § 103*

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. **Claims 1-2, 4-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Greer et al. (hereinafter Greer), U.S. Patent No. 5,978,828 issued November 1999.**

**In regard to independent claim 1, Greer teaches bookmark update notification of changes in Web page content, said content comprising page objects (Greer Figures 3, 9, column 4 lines 7-25).**

Greer teaches a structured web information assembly via specifying browser retrieval (i.e. inputting a URL/bookmark) and formatting of Web pages from a source (i.e. a server on the Internet) for user display (Greer column 3 lines 7-14).

Greer teaches various objects assigned to a Web page, said objects indicative of general structure locations on said Web page (i.e. frame, ad banner, etc.) (Greer Figures 3, 4, 7, column 6 lines 7-25 – object information is stored). It is noted that certain objects such as frames generally serve to segment browser presentations into layout portions, therefore the frame layout locations must be differentiated (i.e. left frame, right frame, etc.).

Greer teaches a change control record comprising data related to various objects, said data comprising a change control field and an object quotient value (generated by an algorithm “coding method”) for specifying magnitude of change (i.e. 0% to 100%) to an object (Greer column 4 lines 7-32).

Greer teaches reacquiring (i.e. re-polling) a Web page at specific times for updates (Greer column 7 lines 63-67, column 8 lines 13-16).

Greer does not specifically teach obtaining a “*second*” information object at the same structure location. However, since Greer teaches subsequently reacquiring the same Web page for the purpose of detecting changes/updates, It would have been obvious to one of ordinary skill in the art at the time of the invention to acquire the newly polled Web page information object(s) at the same locations, in order to compare and contrast

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with the previously obtained object(s) on file (Greer column 7 lines 63-67, column 8 lines 13-16), thus providing the benefit of better comparison for change detection purposes.

Greer teaches reassessment and reapplication of a new object quotient value reflective of magnitude of change to a Web page object (Greer column 5 lines 60-67, column 8 lines 7-16).

Greer teaches issuing a "change alert" to a user if a specific threshold of change is reached (Greer column 5 lines 60-67, column 8 lines 7-20).

**In regard to independent claim 2**, claim 2 incorporates substantially similar subject matter as claimed in claim 1, and is rejected along the same rationale.

**In regard to independent claim 4**, claim 4 incorporates substantially similar subject matter as claimed in claim 1, and is rejected along the same rationale.

**In regard to independent claim 5**, claim 5 incorporates substantially similar subject matter as claimed in claim 1, and is rejected along the same rationale.

### ***Conclusion***

7. **The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.**

Meunier et al.	U.S. Patent No. 6,681,369	issued	01-2004
Gupta et al.	U.S. Patent No. 5,826,258	issued	10-1998
Khan et al.	U.S. Patent No. 6,460,038	issued	10-2002
Ball et al.	U.S. Patent No. 6,366,933	issued	04-2002

Huck, G. et al., Jedi: extracting and synthesizing information from the Web, IEEE, August 20-22, 1998, pages 32-41.

Aggarwal, S. et al., WIRE - a WWW based information retrieval and extraction system, IEEE, August 26-28, 1998, pages 887-892.

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William Bashore whose telephone number is (703) 308-5807. The examiner can normally be reached on Monday through Friday from 11:30 AM to 8:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild, can be reached on (703) 305-9792.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

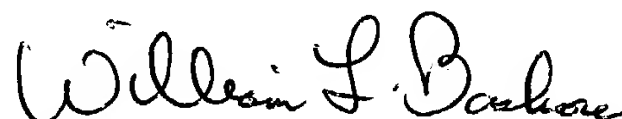
9. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

or faxed to:

(703-872-9306) (for formal/after-final communications intended for entry)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (Receptionist).



William L. Bashore  
Patent Examiner, AU 2176  
July 23, 2004